

**ABSTRACT OF THE DISCLOSURE****MULTIPLE HEADS FOR MAGNETIC  
MEDIA STORAGE APPLICATIONS**

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A plurality of read/write heads is disclosed for a magnetic media storage system, such as, for example a magnetic tape drive. Each head can include a plurality of data channels. In addition to enhancing data throughput, the plurality of read/write heads can be aligned to read or write bands of tracks on a magnetic tape with only one positioning mode (e.g., without coarse position actuation and control), and also obtain optimum yield and crosstalk values.

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